

Contra Costa Canal Pumping Plant Fish Screen Structure Project Update



February 17, 2011

Rachel Martin, Contra Costa Water District

Overview

- Constructing a fish screen at the Rock Slough Intake to the Contra Costa Canal
- American Recovery and Reinvestment Act (ARRA) funding
- Joint project implementation – Reclamation (owner) and Contra Costa Water District (operator)

Program Goals & Authorities

- The project goals are to mitigate fishery impacts with operational changes and installation of structures including a fish screen.
- Authorities for program operation include:
CVPIA Section 3406 (b)(5), "...Develop and implement a program to mitigate for fishery impacts resulting from operations of the Contra Costa Canal Pumping Plant No. 1. Such a program shall provide for construction and operation of fish screening and recovery facilities, and for modified practices and operations."
- Project is consistent with the 2004 Los Vaqueros BO extension which requires that a fish screen be built at Rock Slough.
- Fulfill legal requirements of the U.S. Fish and Wildlife Service's 2008 Biological Opinion for the threatened Delta smelt.

Program Benefits

The construction of a fish screen will:

- Complete CVPIA requirements in Section 3406(b)(5) and the previously mentioned Biological Opinions (BOs).
- Minimize the entrainment of fish resources associated with the diversion of water at the Rock Slough Intake of the Contra Costa Canal.
- Reduce potential predation on target species in the Rock Slough Intake.
 - Delta Smelt
 - Fall and Winter-run Chinook Salmon

Program Budget

(b)(5) Contra Costa

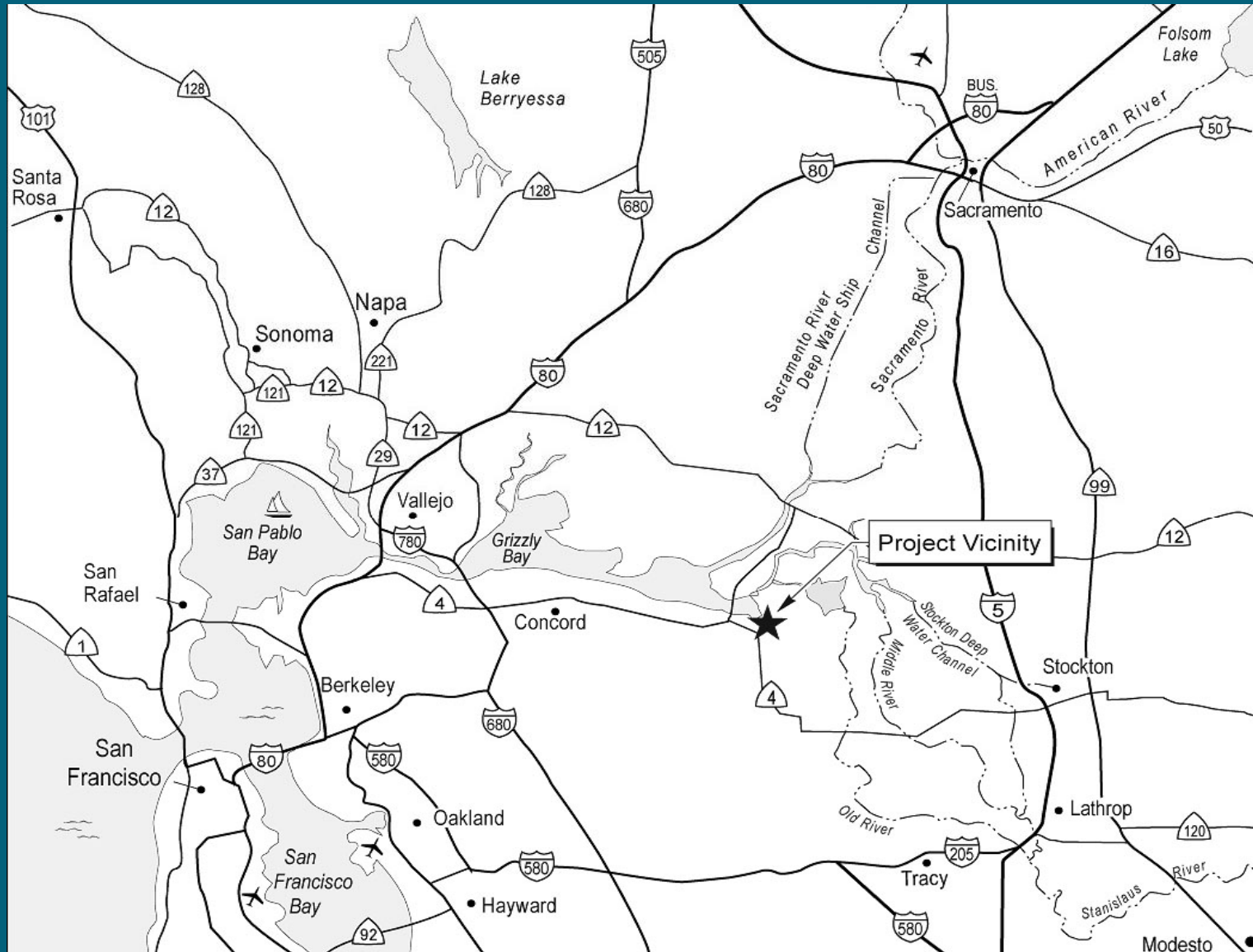
FY 2010 Obligations

- W&RR: \$19,638
- ARRA: \$16,134,822
- Bay-Delta: \$2,715
- Total Obligations FY 2010: \$16,157,175

FY 2011 Budget Request

- W&RR: \$3,803,000
- ARRA: \$25,676,000
- Total Obligations FY 2011 requested are: \$29,479,000

Project Vicinity



FY10 Accomplishments

- Land acquisition
- Completion of Design
- Start of Construction
 - Levee construction
 - Bypass facilities
 - Fish screen foundations

FY11 Planned Tasks

- Completion of Construction
 - Fish screen structure
 - Mechanical and Electrical components
 - Startup and Testing
- Monitoring and Evaluation

FY12 – Construction Closeout













Project Timeline

- 1997-8 – Environmental Assessment and design
- 2001 – Phase 1 construction – site prep
- 2009 – Funding; design revisions
- 2009-10 – Phase 2 construction – levees and bypass
- 2010-12 – Phase 3 construction – fish screen

J. Carl Dealy, Project Manager

U. S. Dept. of the Interior, Bureau of Reclamation

SCCAO, Tracy Office

(209) 836-6236

JCDealy@usbr.gov

Rachel Martin , Project Manager

Contra Costa Water District

(925) 688-8113

rmartin@ccwater.com